EWM BOARD

DVD BOARD

CRT BOARD

IR INTERFACE BOARD

KDB BOARD

TV MAIN BOARD

GEM STAR 4

Part of 2112023_

HL108
VPRBL 1
VRAMP 2
GND 3
FAULT 4

BL103
DG1/+24V 1
GND 2
UB/E/WD 3

PCB 2112021_
GND
IR
POWER_LED
KEYSEL1
KEYSEL2
A/D
KEYDET3
GND
+5V
BK001

BW101
1 12VE
2 8VE
3 5VS
4 4VE
5 GND X 4
6 PG
7 -5VE
8 5VS

PCB 2114669_

Part of 2112023_
BU03: GND, HTR GND, HTR, +160V
BU04: CRT_GND, R, G, B, CRT_GND, 9VE
CRT

BK225
GND 1 1 GND
TV_SDA 2 2 SDA
TV_SCL 3 3 SCL
GND 4 4 GND
TV_IR 5 5 IR_CLK
GND 6 6 GND
TV_READY 7 7 DV_CMD_RDY
TV_WTHDOG 8 8 NC

HR81
HR80
+5VE 1
SDA 2
SCL 3
GND 4
IR_DVD 5
GND 6
DVD_CMD_RDY 7
NC 8

BA200
GND 1
R_AUD_DVD 2
GND 3
L_AUD_DVD 4

BY217
DVD_CHR 1
GND 2
DVD_Y 3
GND 4
DVD_CVBS 5
GND 6

PCB 21116590_

BP02
1 AC DEGAUSS1
2 AC DEGAUSS2

BP01
1 AC1
2 AC2
110 AC POWER

POWER SUPPY SECTION
AC/DC_DEGAUSS

HP01
1 12VE
2 8VE
3 5VS
4 4VE
5 GND X 4
6 PG
7 -5VE
8 5VS

HL02: GND, HTR GND, HTR, +160V
HV04: R/E, GND, B, G, R, GND
SPK L, SPK R
SPEAKER_L, SPEAKER_R, GND
BA006
BA005
BA008
Part of 2112023_ Sound Compressor PCB
BA001
PS001
ANT
TUNER
REAR
S-VHS VIDEO AUDIO_CLINCH G-LINK IN/OUT
BV01 BV02 P11 BG01

IS100 PREAMP
IS001 UPC1851
SOUND IF
IA003 POWER AMP
AUDIO_MUTE
IS002 MC1452 AUDIO SWITCH
REAR_L/R
DVD_L/R
RF MONO
FRONT L
PWM

RF MONO
VIDEO IF
IV01 VIDEO IC TA1268
TEA6415C
IV02
VIDEO
CHROMA
Y/C SWITCH
DVD_Y
DVD_C
AV_CHROMA
CC VIDEO
EQUALISING CCT & CHROMA BPF/COMB FILTER
VIDEO SWITCH
REAR VIDEO
FRONT VIDEO
RF VIDEO
TO HORIZONTAL DEFLECTION

HR04
+5VE 1
SDA 2
SCL 3
GND 4
IR_DVD 5
GND 6
DVD_CMD_RDY 7
IR_DATA 8

HR03
DVD_C 1
GND 2
DVD_Y 3
GND 4
5
GND 6

BA002
GND 1
DVD_R 2
GND 3
DVD_L 4

HR02
PG 1
CC_VIDEO 2
PWM(AUDIO) 3
IR_CLK 4
IR_DATA 5
DVD_CMD_READY 6
RESET 7
EEPROM_WE 8
BURST 9
SR 10
IR/G LINK 11
IIC DATA EVER 12
IIC CLOCK EVER 13
+5VE 14
GND 15

TO POWER SUPPLY

IR01 EEPROM

HR01
+5VE 1
R_OSD 2
GND 3
G_OSD 4
VSYNC 5
B_OSD 6
HSYNC 7
FB_OSD 8
IR IN 9
IIC_CLK_EVER2 10
FAULT 11
IIC_DATA_EVER2 12
SND_LOGIC_A/D 13
SYNC_DET 14
KEYDET 2 15
KEYSEL1 16
KEYSEL2 17
ECO ON/STANDBY 18
KEYSEL3 19

FROM HOR DEF

TO POWER SUPPLY
TO HR03

BPL08
1 FAULT
2 GND
3 VRAMP
4 VPRBL
VERTICAL DEFLECTION

BPL06
1
2
3
HORIZONTAL DEFLECTION

BK003
VIDEO_IN 2
GND 1
FRONT A/V CLINCH
PW001

BK002
AUDIO_L_IN 8
GND 7
AUDIO_R_IN 6
L_OUT 5
L_IN 4
AUDIO_GND 3
R_OUT 2
R_IN 1
PW002
HEADPHONE

IR501 BUS EXPANDER

BS003: +5V, GND, KEYSEL3, A/D, KEYSEL2, KEYSEL1, POWER_LED, IR, GND
BV05: PVIDEO_IN, GND
BA004: R_IN, R_OUT, AUDIO_GND, L_IN, L_OUT, AUDIO_IR_IN, GND, AUDIO_L_IN

HR02
1 PG
2 CC_VIDEO
3 PWM(AUDIO)
4 IR_CLK
5 IR_DATA
6 DVD_CMD_READY
7 RESET
8 EEPROM_WE
9 BURST
10 SR
11 IR/G LINK
12 IIC DATA EVER
13 IIC CLOCK EVER
14 +5VE
15 GND

HR01
1 +5VE
2 R_OSD
3 GND
4 G_OSD
5 VSYNC
6 B_OSD
7 HSYNC
8 FB_OSD
9 IR IN
10 IIC_CLK_EVER2
11 FAULT
12 IIC_DATA_EVER2
13 SND_LOGIC_A/D
14 SYNC_DET
15 KEYDET 2
16 KEYSEL1
17 KEYSEL2
18 ECO ON/STANDBY
19 KEYSEL3

PCB 2114607_

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